

Appendix F.

Examples of GUIs

Window 1. (white background) MAIN SCAN AND DISPLAY CONTROL WINDOW

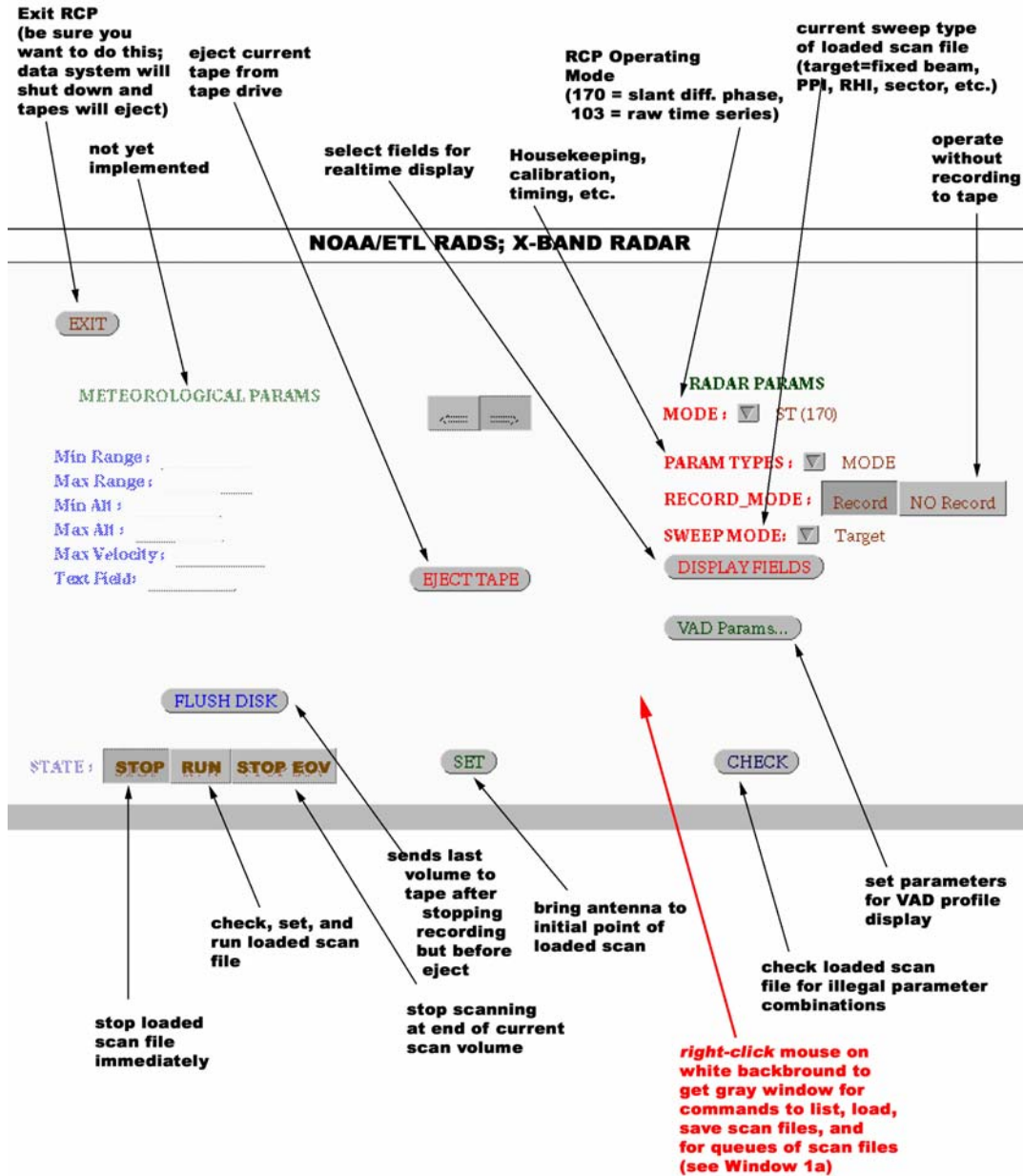


Figure 1. RADS Control GUI or base window; it appears when RADS is initialized. Among other things, it allows users to start and stop a scan, start a queue, change radar parameters and build and view scan tables and queues.

```
Radar is running queue /export/home/rcp/q/jl.q  
Radar is running scan table TH_ts_at.rp  
Recording  
Tape Number: 1556
```

Figure 2. Typical RADS status window, owned by the base window, displays whether a continuous scan is running or a queue, which scan table it is running and when applicable, which queue. It also displays whether RADS is in record mode or not and the tape number.

Window 1a - gray background
SCAN and SCAN QUEUE COMMANDS

Commands for scan files and queues. (This window appears after right-clicking on white background of Window 1).

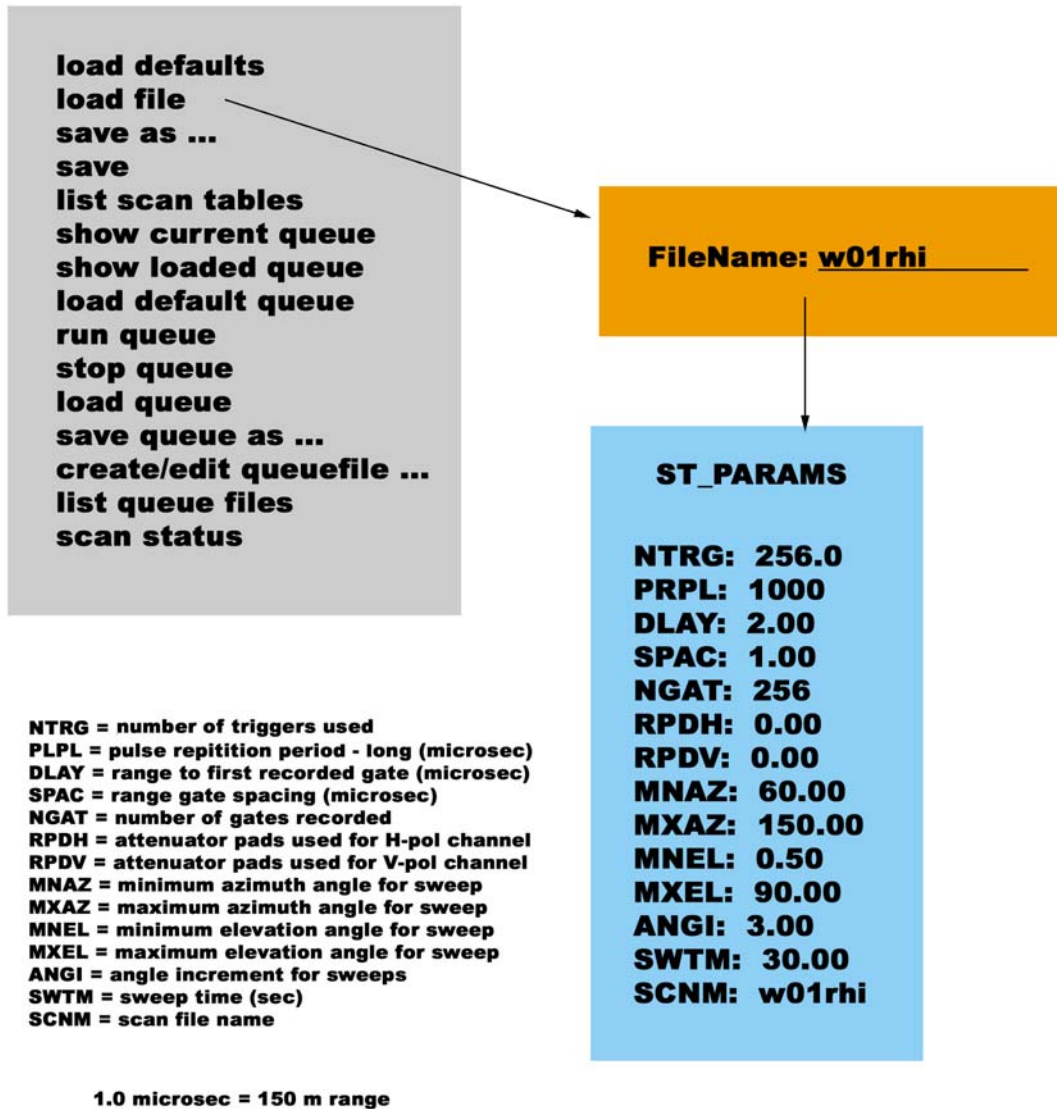


Figure 3. Pulldown menu for loading, editing and viewing scan tables and scan queues. The popup window on the top right appears when the user selects “load file” and queries the user for a scan table name. Once a name is input, the popup window on the bottom right appears displaying the most commonly changed operator enabled radar parameters. This window is mode dependent.

Window 1a - gray background
SCAN and SCAN QUEUE COMMANDS

Commands for scan files and queues. (This window appears after right-clicking on white background of Window 1).

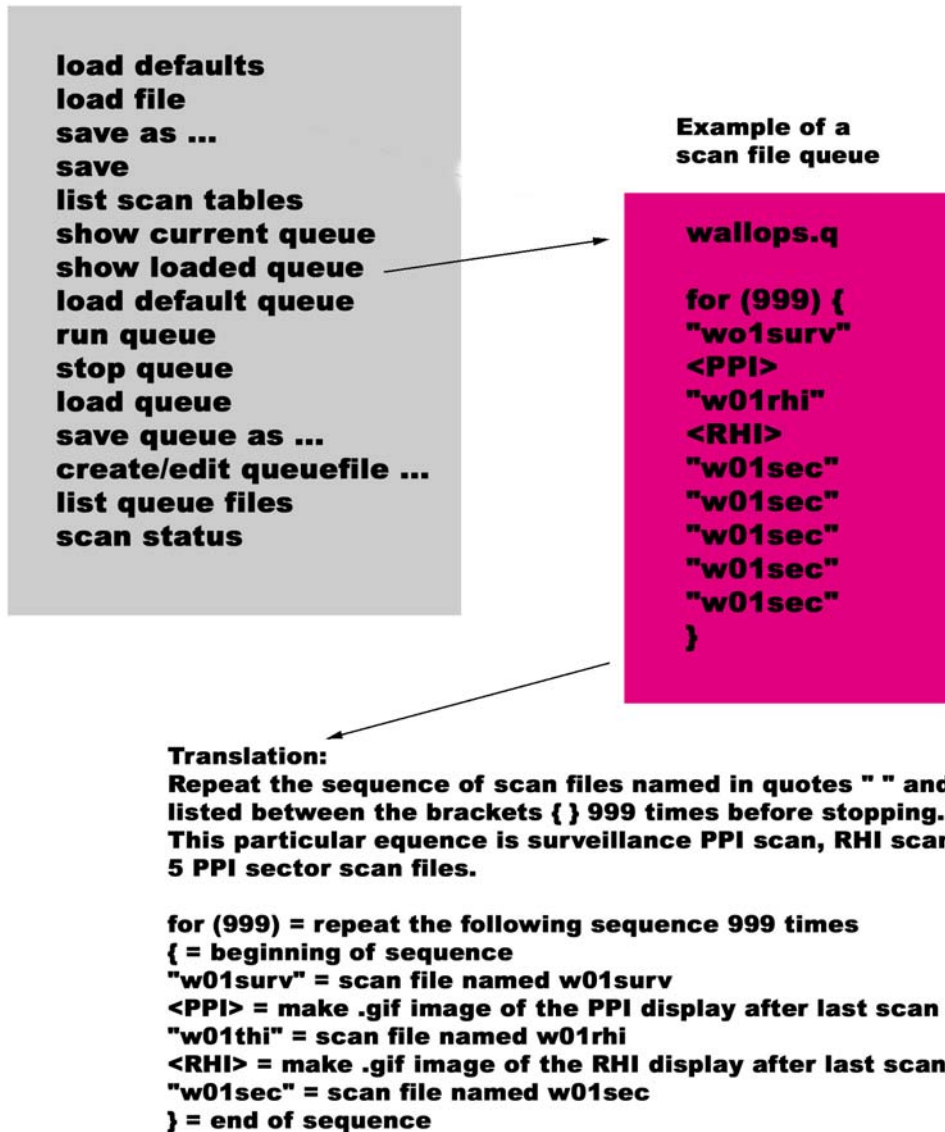


Figure 4. RADS Pulldown menu for loading, editing and viewing scan tables and scan queues. The popup window on the right shows the loaded queue.

NTRG:	256
PRPL:	1000.00
DLAY:	2.00
SPAC:	0.20
NGAT:	256
RPDH:	0.00
RPDV:	0.00
MNAZ:	65.00
MXAZ:	65.00
MNEL:	-0.50
MXEL:	-0.50
ANGI:	1.00
SWTM:	10.00
SCNM:	TH_pp_oc

Figure 5. Typical RADS Mode Parameter Window, displaying the most common radar parameters which are operator enabled. Since these are mode dependent they will vary.

TNUM :	1556
TIME :	1028937428
TIMS :	0
TMZN :	EST
TMOF :	-5
LAT :	0.00
LONG :	0.00
ELSL :	0.00
OPNM :	Post
RDNM :	NOAA-D
STNM :	THornsea
PRNM :	THornsea
FTNM :	Field
BMNM :	1
SWNM :	1
VLNM :	1
RCPN :	3.00
RCDE :	0
TDRV :	4

Figure 6. Typical RADS Housekeeping Parameter Window. This window displays the housekeeping parameters corresponding to the loaded scan table. This is one of the 12 popup parameter type windows which can be displayed by selecting the “Param Type” button on the base window and the desired type of parameter from the drop down menu.

VShD	VShU	VSvD	VSvU
WShD	WShU	WSvD	WSvU
CShD	CShU	CSvD	CSvU
IShD	ISvD	PShD	PShU
PSvD	PSvU	ZShD	ZShU
ZSvD	ZSvU	ZShC	ZSvC
ZdrD	ZdrC	DVwh	PHdp
RnRt	RnRC	Rhv0	DSmC

Apply

Figure 7. Typical Display Fields Window allows the user to select which fields will be sent to the graphics program x-display for viewing. The selections available in this window are mode dependent and only twelve may be selected at any one time.

Listed below are the current Mode 170 VAD Parameter settings

Correlation: ▾ .1

DBZ_threshold: -256. _____

Elevation_tolerance: 5. _____

Elevation: 75. _____

Select Fields Graphed: ZShD ZdrD CShD ZSvD

Range Limits: ▾ no

Number of Volumes to Average: 1 _____

Number of Sweeps to Average: 1 _____

Send Defaults

Figure 8. RADS VAD Parameter Settings Window allows the operator to change VAD profile display parameters such as which of the optional fields to display, the correlation threshold, desired elevation angle and tolerance angle.

**Selects which display to affect
B-scan (time vs range for fixed beam),
RHI scans, PPI scans, or
A-Scope (amplitude vs. range)**



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